

ACADEMIC PLANNER (MATHEMATICS-XI, 2017 - 18)

Month(WD)	Content	Mode of Assessment	Homework & Assignment
April (12) 16-30 (12)	CH-15 STATISTICS Measures of Dispersion, Range, Mean Deviation, Variance and Standard Deviation, Analysis of Frequency Distributions	Oral Test Class Test	NCERT Exercises of Chapter Miscellaeous Exercise
May (9) 1-15 (9)	CH-14 MATHEMATICAL REASONING Statements, New Statements from Old, Special Words/Phrases, Implications, Validating Statements CH-4 PRINCIPLE OF MATHEMATICAL INDUCTION Motivation, The Principle of Mathematical Induction (REVISION)	Oral Test Class Test Oral Test Class Test	NCERT Exercises of Chapter Miscellaeous Exercise NCERT Exercises of Chapter
July (25) 1-15 (12) 16-31 (13)	CH-5 COMPLEX NUMBERS AND QUADRATIC EQUATIONS Complex Numbers, Algebra of Complex Numbers, The Modulus and the Conjugate of a Complex Number, Argand Plane and Polar Representation, Quadratic Equations, Square Root of a Complex Number (REVISION)	Oral Test Class Test	Assignment NCERT Exercises of Chapter Miscellaeous Exercise
16-31 (13)	CH-3 TRIGONOMETRIC FUNCTIONS Angles, Trigonometric Functions, Trigonometric Functions of Sum and Difference of Two Angles, Trigonometric Equations, Sine and Cosine Formulae (REVISION)	Oral Test Class Test	Assignment NCERT Exercises of Chapter Miscellaeous Exercise
August (24) 1-15 (10)	CH-6 LINEAR INEQUALITIES Inequalities, Algebraic Solution of Linear Inequalities in One Variable and their Graphical Representation, Graphical Solution of Linear Inequalities in Two	Oral Test Class Test	NCERT Exercises of Chapter Miscellaeous Exercise

<p>16-31 (14)</p>	<p>Variables, Solution of System of Linear Inequalities in Two Variables (REVISION) CH-7 PERMUTATIONS AND COMBINATIONS Fundamental Principle of Counting, Permutations and Combinations (REVISION)</p>	<p>Oral Test Class Test</p>	<p>Assignment NCERT Exercises of Chapter Miscellaneous Exercise</p>
<p>September(21)</p> <p>1-15 (11)</p> <p>16-30 (10)</p>	<p>HALF YEARLY EXAMINATIONS CH-8 BINOMIAL THEOREM Binomial Theorems for Positive Integral Indices, General and Middle Terms</p>	<p>Oral Test Class Test</p>	<p>NCERT Exercises of Chapter Miscellaneous Exercise Assignment</p>
<p>October(20)</p> <p>1-15 (9)</p> <p>16-31 (11)</p>	<p>CH-13 LIMITS AND DERIVATIVES Intuitive Idea of Derivatives, Limits, Limits of Trigonometric Functions, Derivatives CH-16 PROBABILITY Random Experiments, Events, Axiomatic Approach to Probability</p>	<p>Oral Test Class Test Oral Test Class Test</p>	<p>NCERT Exercises of Chapter Miscellaneous Exercise NCERT Exercises of Chapter Miscellaneous Exercise</p>
<p>November(24)</p> <p>1-15 (11)</p> <p>16-30 (13)</p>	<p>CH-10 STRAIGHT LINES Slope of a Line, Various Forms of the Equation of a Line, General Equation of a Line, Distance of a Point From a Line, Equation of a Line through the point of two Intersecting Lines, Shifting of Origin CH-13 CONIC SECTIONS Sections of a cone, Circle, Parabola, Ellipse, Hyperbola CH-12 INTRODUCTION TO 3- DIMENSIONAL GEOMETRY Coordinate Axes and Coordinate Planes in Three Dimensional Space, Coordinates of a Point in Space, Distance between Two Points, Section Formulae (REVISION)</p>	<p>Oral Test Class Test Oral Test Class Test</p>	<p>NCERT Exercises of Chapter Miscellaneous Exercise NCERT Exercises of Chapter Miscellaneous Exercise</p>
<p>December(23)</p>			

1-15(11)	Assessment Test	Oral Test	NCERT Exercises of Chapter
16-31 (12)	CH-1 SETS Sets and their Representation, The Empty Set, Finite and Infinite Sets, Equal Sets, Subsets, Power Set, Universal Set, Venn Diagrams, Operation on Sets, Complement of a Set, Practical Problems on Union and Intersection of Two Sets Applications of set theory (REVISION)	Class Test	Miscellaneous Exercise
	CH-2 RELATIONS AND FUNCTIONS Cartesian Product of Sets, Relation and Functions	Oral Test Class Test	Assignment NCERT Exercises of Chapter Miscellaneous Exercise
January(13) 16-31 (13)	CH-9 SEQUENCES AND SERIES Sequences, Series, Arithmetic Progression (A.P.), Geometric Progression (G.P.), Relationship Between A.M. and G.M., Sum to n terms of Special Series Geometric Progression (G.P.), Relationship Between A.M. and G.M., Sum to n terms of Special Series, Sum to infinite terms of a G.P. Annual Exam : Month of Feb 2017	Oral Test Class Test	NCERT Exercises of Chapter Miscellaneous Exercise

TERMWISE SYLLABUS	
U. T 1 (July)	Ch. 4, 5, 15
Half Yearly(Sep.)	Ch. 3, 4, 5, 6, 7, 15
Assessment Test(Dec.)	Ch. 3, 8, 10, 11, 13, 16
Annual (Feb.)	Complete Syllabus